

ABSTRACT

Phase stable, pumpable, liquid, high solids, aqueous monoalkanolamide surfactant emulsions are disclosed for use as cold mixable monoalkanolamide delivery systems for separately prepared aqueous formulations containing at least one principal surfactant. The monoalkanolamide surfactant emulsions comprise at least one monoalkanolamide characterized in its unemulsified form by having an amide content of at least about 85% and by being substantially solid and water insoluble at a temperature below about 30°C, and at least one monoalkanolamide emulsifying surfactant and, surprisingly, remain homogeneous, pourable, and pumpable at a total solids content of at least 20 weight percent at a temperature in the range of about zero°C to about 30°C.



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(54) Title: ALKANOLAMIDE SURFACTANT EMULSIONS AND PROCESS THEREFOR

(57) Abstract

Phase stable, pumpable, liquid, high solids, aqueous monoalkanolamide surfactant emulsions are disclosed for use as cold mixable monoalkanolamide delivery systems for separately prepared aqueous formulations containing at least one principal surfactant. The monoalkanolamide surfactant emulsions comprise at least one monoalkanolamide characterized in its unemulsified form by having an amide content of at least about 85 % and by being substantially solid and water insoluble at a temperature below about 30 °C, and at least one monoalkanolamide emulsifying surfactant and, surprisingly, remain homogeneous, pourable, and pumpable at a total solids content of at least 20 weight percent at a temperature in the range of about zero °C to about 30 °C.